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Summary

PHP Laravel Developer with a proven track record of architecting scalable e-commerce ecosystems, complex CMS platforms, and high-performance third-party integrations. Currently driving technical excellence at Momentum Solutions, specializing in end-to-end payment integrations (Stripe), enterprise document management (SharePoint), and automated data workflows via Shopify and Excel processing.

Expert in modern software design patterns including Repository, Service, Strategy, and HMVC to ensure code maintainability and scalability. Adept at implementing granular Role-Based Access Control (RBAC) and optimizing system performance for high-traffic environments. Committed to delivering efficient, secure, and user-centric web solutions.

Education

Bachelor of Computer Science & Information Technology.
Ahrm Canadian University.

2018 – 2022
GPA: 3.1

Experience

Backend Web Developer

Momentum Solutions

July 2024 - Present

Golden Eagle (Long Let & Short Let) | *Laravel (MVC), Stripe, Sapee API*

- Engineered a dual-mode real estate platform for the UK market, supporting both long-term leases and short-term holiday rentals.
- Integrated **Stripe** for secure global payments and **Sapee** for automated property management.
- Developed synchronized reservation calendars and comprehensive user/admin dashboards.

Dropper (On-Demand Delivery Ecosystem) | *Laravel, RESTful APIs, RBAC*

- Architected a multi-tenant delivery platform including mobile apps for customers and a merchant-side **POS system**.
- Built a full-stack cashier and kitchen display interface to streamline restaurant operations.
- Implemented complex **Role-Based Access Control (RBAC)** for owners, merchants, and drivers.

Pope Shenouda III Digital Archive | *Laravel, Microsoft SharePoint API*

- Developed a high-traffic Content Management System (CMS) hosting extensive digital libraries (books, videos, and articles).
- Integrated **Microsoft SharePoint** for secure document storage and collaborative backend management.

Shelfy (AI-Powered Inventory Audit Engine) | *Laravel, Gemini & OpenAI API, PHP CLI*

- Integrated Gemini 1.5 Flash and GPT-4o** to perform multimodal image analysis, allowing the system to "see" and compare shelf states against reference photos.
- Developed a comparison logic** that identifies missing or displaced items by sending dual-image payloads to AI vision models, reducing manual audit time by 70%.
- Built a CLI-based fallback** for low-bandwidth environments, allowing users to trigger AI audits via terminal commands.
- Add integration with Gemini and Chatgpt to compare 2 images**

AOLC Events Management System | *Laravel (Repository Pattern), Firebase, Twilio*

- Built a scalable event organization platform using **Repository and Service patterns** to ensure code maintainability.
- Integrated **Twilio** for SMS/OTP authentication and **Firebase Cloud Messaging** for real-time event alerts.

St. Mechile Restaurant & POS | *Laravel, Strategy Pattern, Firebase*

- Deployed a complete restaurant solution with real-time order tracking and kitchen workflow automation.
- Applied the **Strategy Pattern** to handle diverse payment and notification methods dynamically.

Lomatech (Logistics Synchronization Engine) | *Laravel, API Integration*

- Designed a middleware engine to synchronize orders and driver assignments between **Dropper** and **St. Mechile**.
- Centralized authentication and RBAC to manage logistics across multiple independent platforms.

Calta & Flamingo Supermarket | *Laravel, SQL Optimization, Caching*

- Led a performance refactoring initiative, optimizing **Eloquent queries** and implementing caching layers.
- Significantly reduced page load times and server overhead during peak high-traffic shopping periods.

TECHNICAL CORE COMPETENCIES

- **Architecture:** MVC, Repository Pattern, Service Layer, Strategy Pattern.
- **Integrations:** Stripe, PayPal, Twilio (SMS/OTP), Firebase (Real-time), Microsoft SharePoint.
- **Backend:** Laravel (PHP), RESTful API Development, Query Optimization, RBAC Security.

Technical Skills

- **Programming Languages**
PHP, Laravel, JavaScript, C++, Java, Python
- **Web Technologies**
HTML5, CSS3, JavaScript, Bootstrap, AJAX, Laravel Livewire, RESTful APIs, Socket io, Redis
- **Software Architecture & Design Patterns**
Strategy Pattern, Repository Pattern, Service Layer, HMVC, MVC, OOP, SOLID Principles
- **Databases & ORM**
MySQL, SQL Server, Laravel Eloquent ORM
- **Version Control**
Git, GitHub
- **APIs & Third-Party Services**
Stripe, PayPal, Baymob, Telegram Bot API, Shopify API, Sapee app, SharePoint API, Twilio API, Firebase (Cloud Messaging, Realtime Database)
- **Development Tools & Environments**
Visual Studio Code, Postman, Composer, Windows, Linux (Ubuntu)
- **Methodologies**
Agile/Scrum

Courses & Internships

- **Full-stack PHP Developer**
Digital Egypt Pioneers Initiative (DEPI) · *Internship*
Jun 2024 – Nov 2024 · 6 mos
- **Professional Skills Development**
Microsoft Office, Communication Skills & Presentation Skills
Education for Employment (EFE)
- **Technical Coursework & Certifications**
Web Development:
 - Full-stack PHP Developer, ITI Online (Aug 2022)
 - Java Programming, TechnoHacks EduTech (Nov 2023)
 - Web Development, TechnoHacks EduTech (Dec 2023)

- HTML, CSS, and JavaScript, Johns Hopkins University via Coursera (Jan 2024)
- *Data Science & Machine Learning:*
- Machine Learning, Coursera (Jun 2022)
- Data Science, DataCamp (Jan 2022)

Extracurricular Activities

Volunteer

Jan - Mar 2024

- As member in Education for Employment (EFE) supporting digital skills training and helping connect youth with job opportunities.

Languages

Arabic **Native Language**

English **Reading** - Very Good | **Writing** – Very Good | **Conversation** – Very Good